

Abstract

For a system-linking network of different software and hardware systems, a data-processing and information system (1) having a multiplicity of data-processing units (2) is provided according to the present invention for different process and/or product phases, which have application-specific languages and/or data models that are different from each other, wherein an abstraction model (12) is provided for detecting and representing an element affected by a process and/or product modification, on the basis of an object class (OK1 through OKn) using a modeling of data (D1 through D4) characterizing the relevant process sequences and the relevant product structures.